

DRAWINGS

FIG. 1

IMAGES OF CROSS-SECTIONS OF FILMS

(BOTH ENDS ARE FIXED WITH THE FILM BEING LOOSENEED

5 IN THE TD DIRECTION)

GEL FILM

FILM FIXING JIG

GEL FILM

FILM FIXING JIG

10 FIG. 2

Y-AXIS

ORIENTATION AXIS

X-AXIS

ORIENTATION AXIS

15 TRAVELLING DIRECTION OF FILM (MD DIRECTION)

FIG. 3

TRAVELLING DIRECTION OF FILM (MD DIRECTION)

FIG. 4

TENTERING FURNACE AND DEGREE OF EXPANSION AND SHRINKAGE

20 BOTH-END-UNFIXED GEL FILM

END-FIXING POINT

PIN SHEET RAIL

END-RELEASING POINT

FIRST FURNACE

25 SECOND FURNACE

THIRD FURNACE

IR FURNACE

SLOW-COOLING FURNACE

SLOW-COOLING FURNACE

5 MD DIRECTION

DISTANCE BETWEEN FIXED ENDS = FILM WIDTH

DISTANCE BETWEEN FIXED ENDS < FILM WIDTH

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FIG. 1  
IMAGES OF CROSS-SECTIONS OF FILMS  
(BOTH ENDS ARE FIXED WITH THE FILM BEING LOOSENED  
IN THE TD DIRECTION)

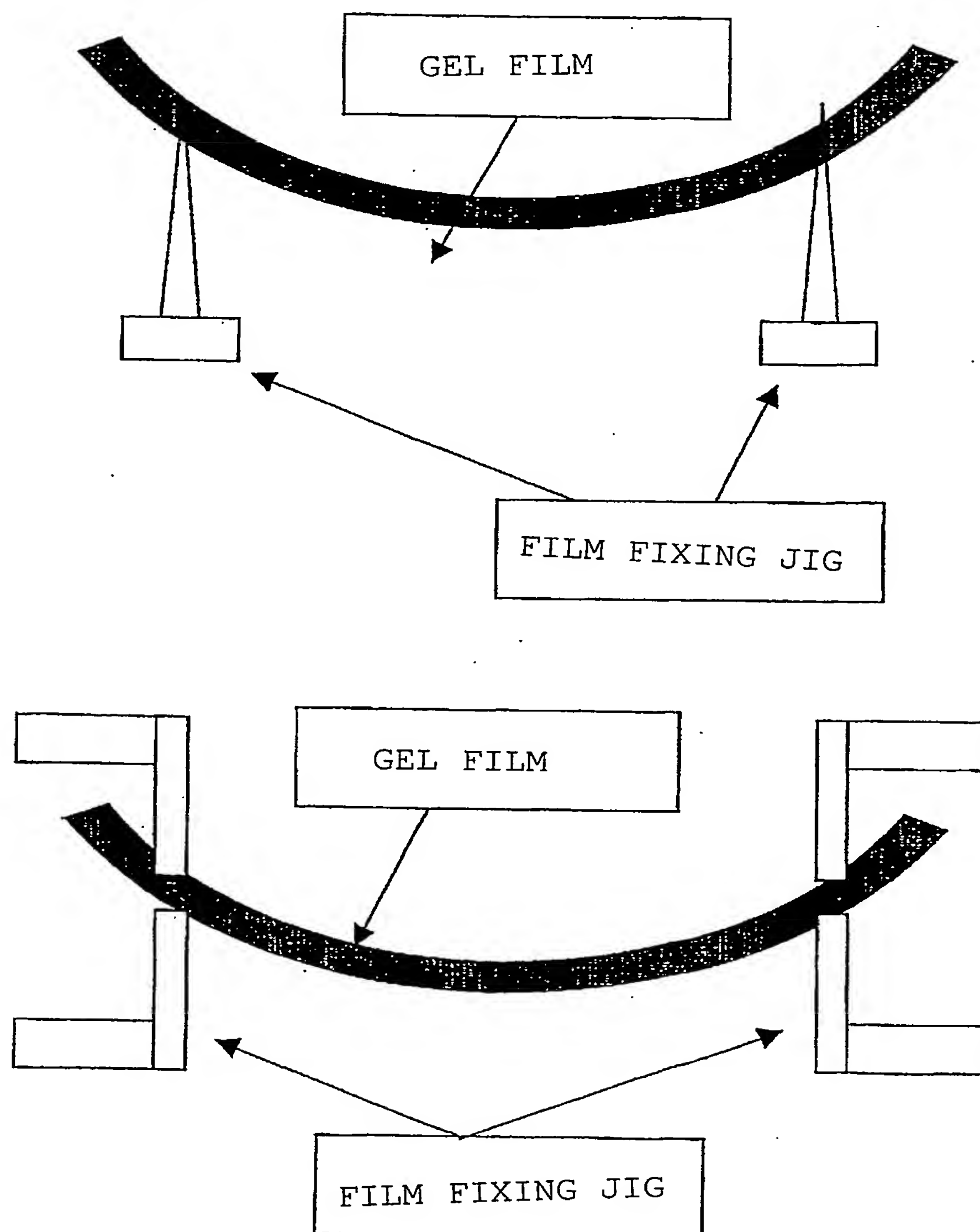
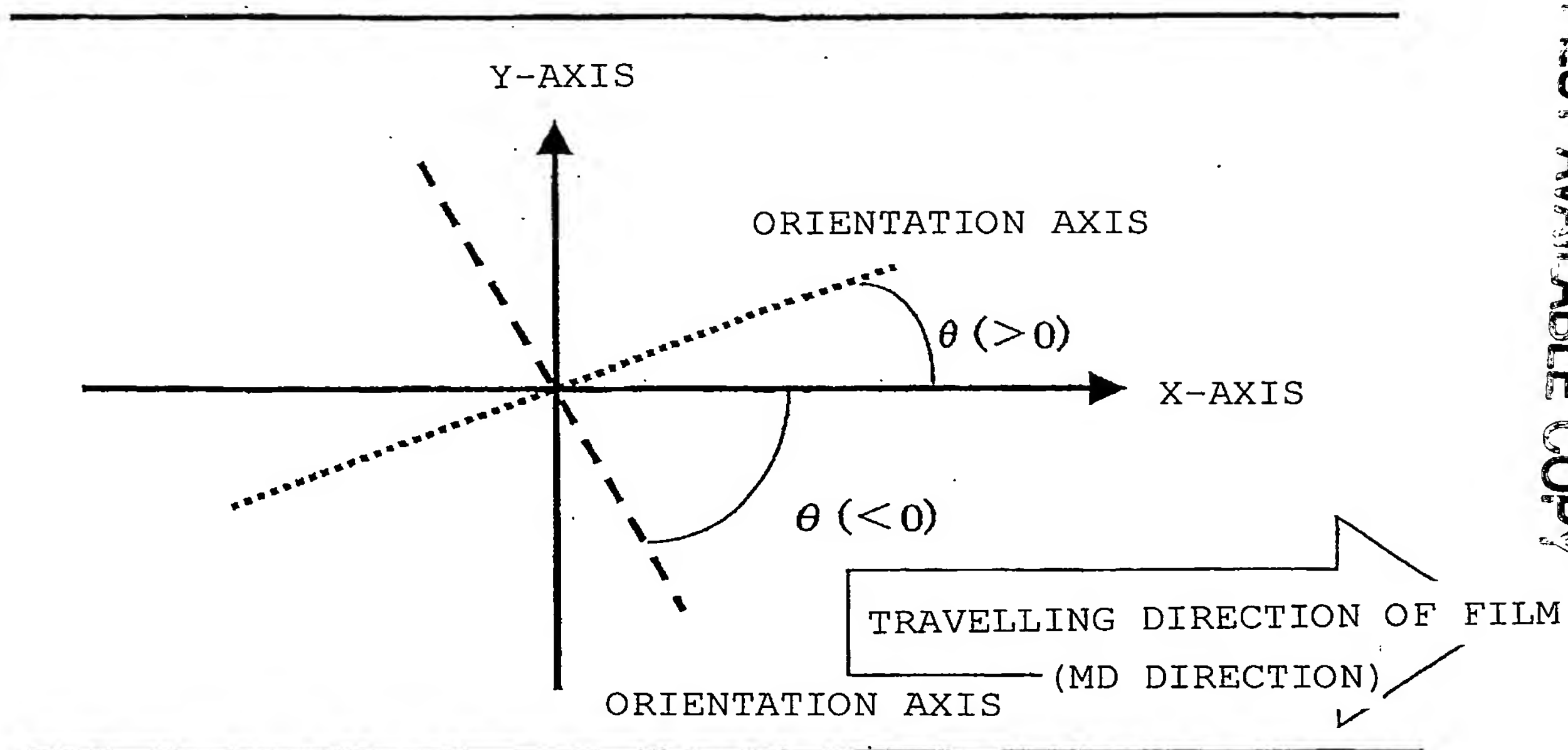
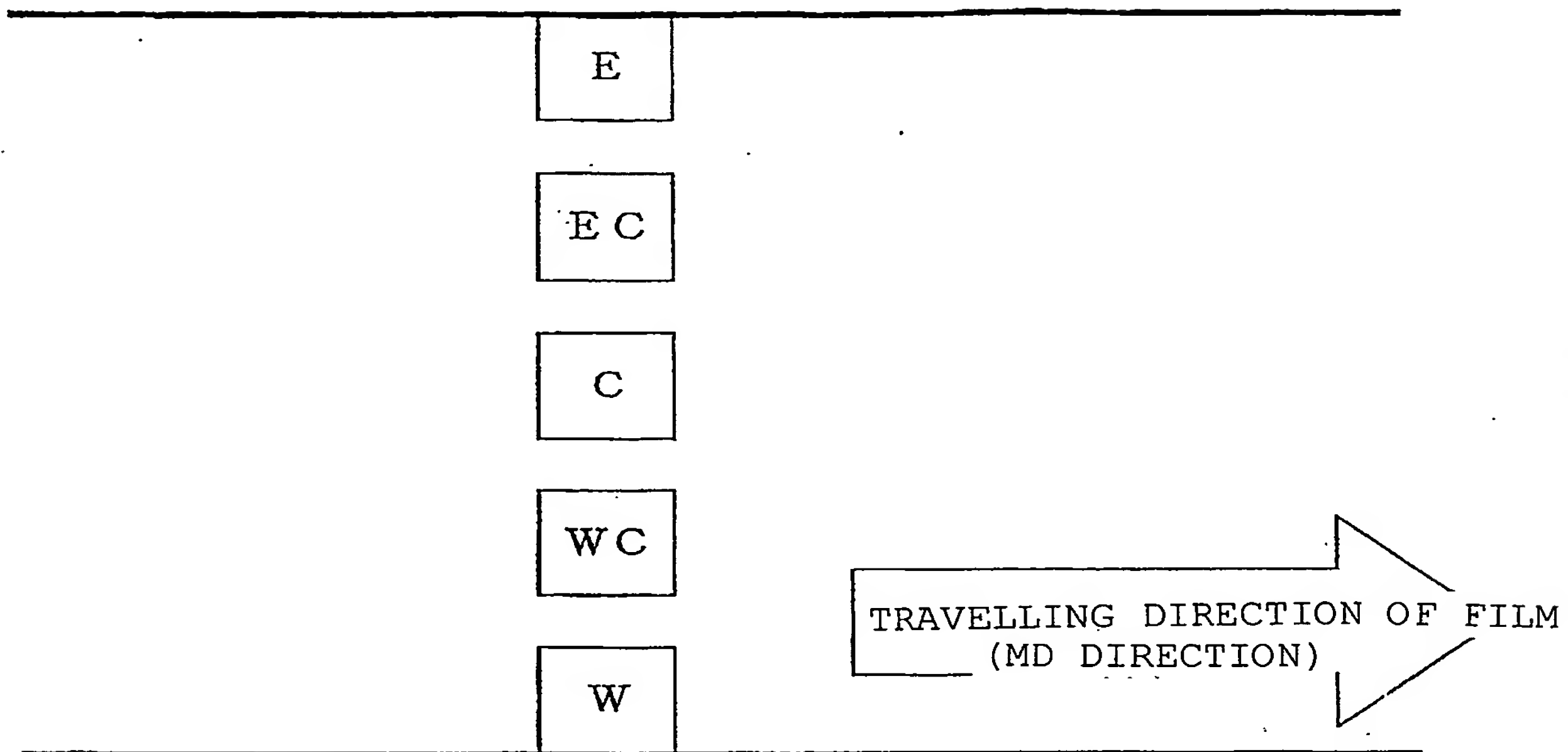


FIG. 2



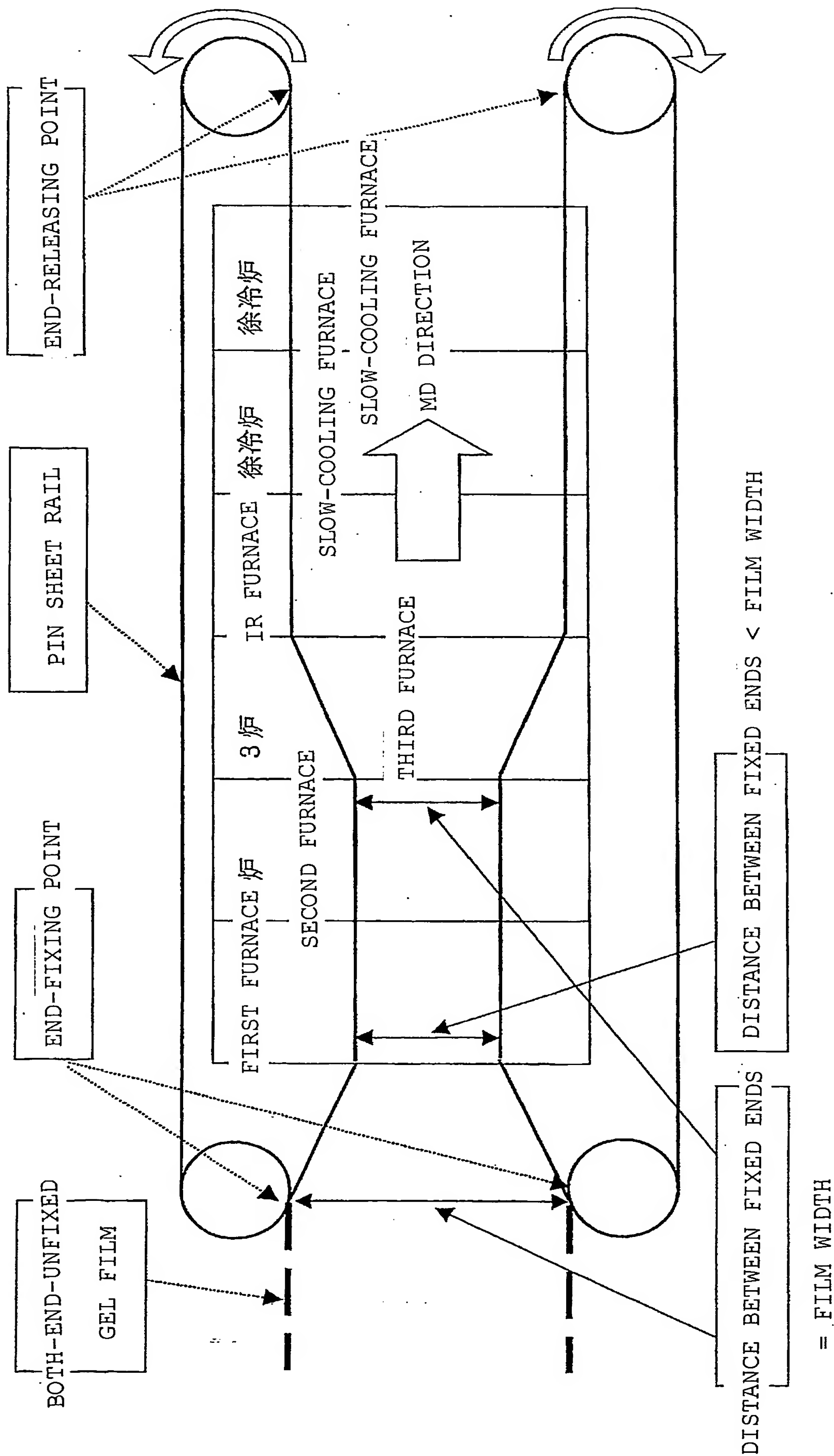
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FIG. 3



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FIG. 4 TENTERING FURNACE AND DEGREE OF EXPANSION AND SHRINKAGE



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